

Value of ProCrypt™ for New-Born Calves

The first 10 days is the most important feeding period of a newborn calf's life. During the first 5 days, the calf is protected from most pathogens by passive immunity from colostrum, so it is important that the cow has produced a high level of immunoglobulins (IgG's) before calving. Passive immunity from colostrum only lasts about 5 days and during the next two weeks the calf is susceptible environmental pathogen challenge until the immature immune system becomes completely functional.

Implementation of a good nutritional program in the cow that supports high antibody levels in colostrum at calving time will help protect the newborn calves from infective pathogens.

Research has shown that ProCrypt™ can raise the immunoglobulin level in colostrum by 12% to 15% when fed to the cow 30 days before calving.

Protect Calves with ProCrypt™

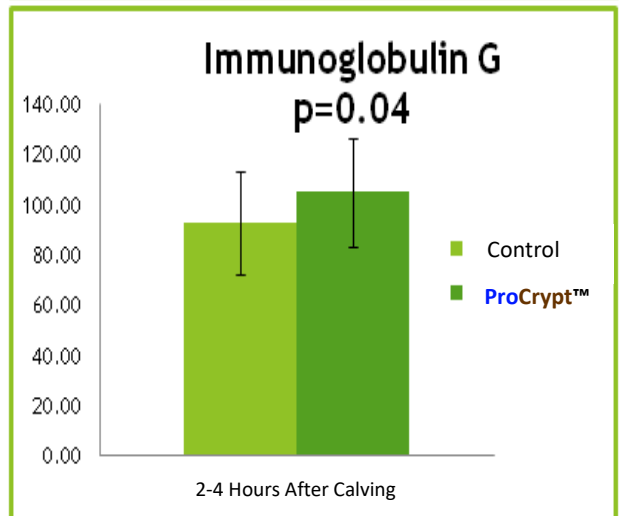
ProCrypt™ will help protect newborn calves from neonatal diarrhea caused by bacteria; E. coli, Clostridium, Salmonella and protozoa; Cryptosporidium, Coccidia as well as an aid for diarrhea caused by Rota and Coronavirus.

When treatment becomes necessary, use a high-quality oral electrolyte product that corrects metabolic acidosis and hydrates the scouring calf as quickly as possible.

Benefits of ProCrypt™:

- 12%-15% higher IgG level in colostrum
- Protects calves from neonatal diarrhea
- Maintains optimum mucosal and crypt protection and tight junctions of the intestinal villi which causes "leaky gut" and pathogen entry into the calf's tissues
- Affects pathogen attachment in the intestine reducing toxin production and inflammation
- Impacts pathogen load by inhibition of their communication ("quorum sensing") and food deprivation

12%-15% Higher IgG in Colostrum





Technical Brief

ProCrypt™ is an OMRI certified feed additive from selected chestnut wood (*Castanea Sativa*) that supports the health of animals.

ProCrypt™ provides a diversity of bioactive polyphenols providing optimum use and absorption of nutrients and maintenance of a strong immune system.

ProCrypt™ can be used in all livestock species and is safe for the environment.



ProCrypt™ Provides Value Added Benefits

- **Protection of young calves** through optimum IgG levels in colostrum
- **Maintenance of a low pathogen load** by aiding in the maintenance of healthy intestinal tissue and action of selective astringent properties
- **Broad spectrum protection:**
 - **Protozoa** - Cryptosporidium and Coccidiosis
 - **Bacteria** - E. Coli, Salmonella, and Clostridia
 - **Virus** - Rotavirus and Coronavirus
- **Maintains intestinal integrity** – aids in prevention of leaky gut in the small intestine
- **Maintains optimum liver health and function** – high antioxidant qualities and helps regulate rumen pH to prevent acidosis and development of liver abscesses
- **Promotes good rumen function** – Optimum feed efficiency and nutrient intake levels promote growth, production, and animal health
- **No withdrawal issues** – usage at any stage of production
- **Heat stable** to over 300F – feed processing is no issue

Contact your KeyAg Sales representative for more information on **ProCrypt™** and other KeyAg products for your operation.



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